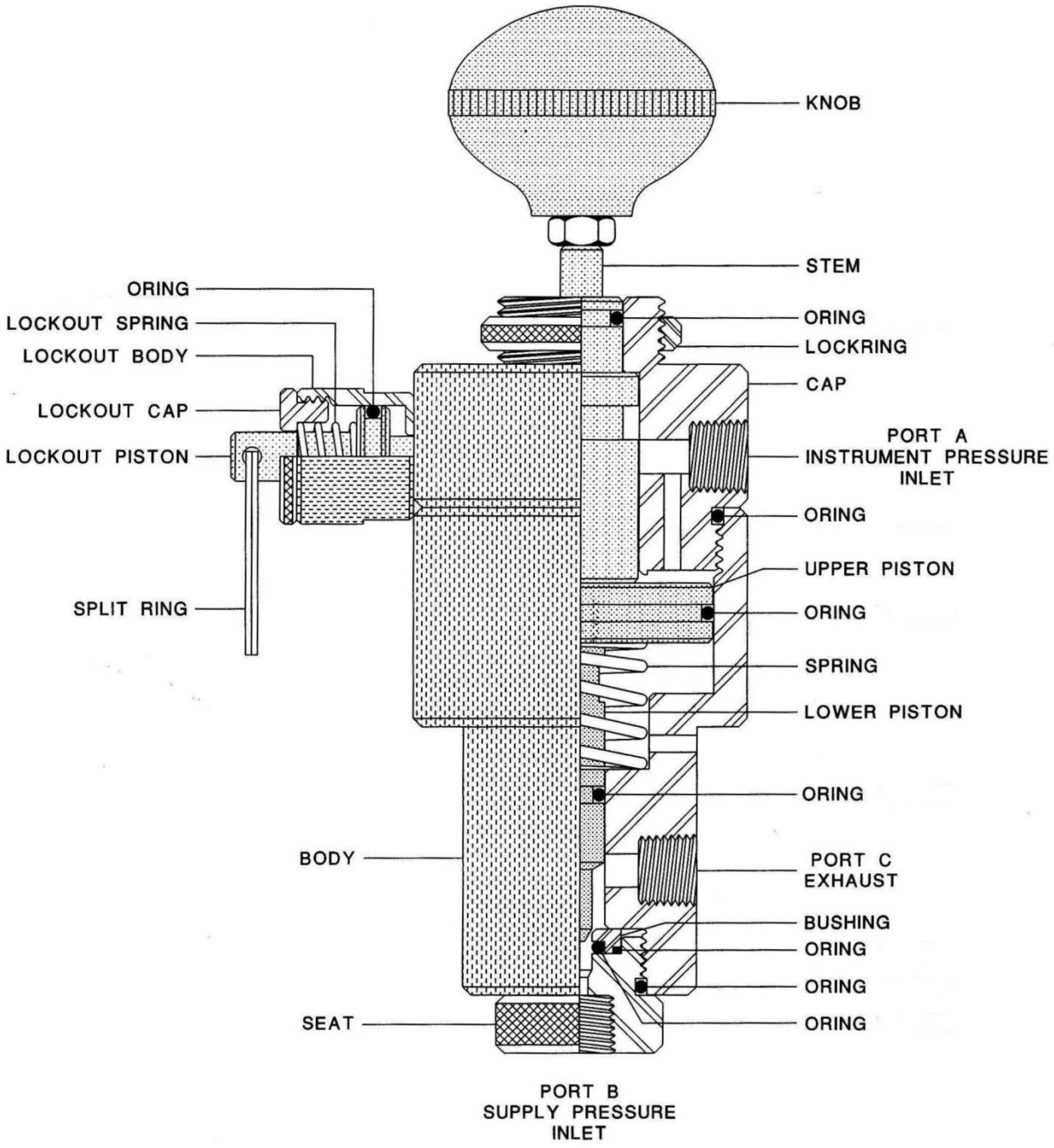
BWB CONTROLS, INC.

‘HCT-2’ HYDRAULIC CONTROLLER

PNEUMATIC / HYDRAULIC OVER HYDRAULIC
WITH KNOB AND LOCKOUT



Designed and Manufactured using Safe Engineering Practices

12 AUG 2022

‘HCT-2’ HYDRAULIC CONTROLLER

PNEUMATIC / HYDRAULIC OVER HYDRAULIC
WITH KNOB AND LOCKOUT

INSTALLATION

CONNECTION 1/4" NPTF

PANEL MOUNT 1 5/16" (33.3 mm) Diameter Hole

PORT A	**Instrument Pressure Inlet**	**Pneumatic / Hydraulic, 50-150 PSI (3.5 to 10.3 bar)**
PORT B	**Supply Pressure Inlet**	**Hydraulic, 30-10,000 PSI (2 to 690 bar)**
PORT C	**Exhaust**	

OPERATION

The BWB "HCT-2" is a 2 way, normally open, pilot operated, automatic hydraulic controller with knob and manual lockout. It is normally installed in a SCSSV control panel. It receives instrument pressure (Port A) from a safety system component such as a master relay and hydraulic supply pressure (Port B) from a pump.

During normal operation, instrument pressure (Port A) holds the controller in the closed position. The supply pressure (Port B) is blocked and the hydraulic system will maintain it's required working pressure.

When the master relay is actuated, it will bleed instrument pressure (Port A) from the controller and the spring will push the controller into the open position. The supply pressure (Port B) is exhausted (Port C), and returned to the reservoir; thus closing the SCSSV or system.

Should hydraulic working pressure be required to open the SCSSV or system before instrument pressure (Port A) is returned, the lockout assembly may be used. The knob is manually pushed in and the lockout stem engaged. This allows supply pressure (Port B) to be blocked and the hydraulic system to maintain it's working pressure. When instrument pressure (Port A) is returned the lockout stem will automatically release and the controller will resume normal operating conditions.

FEATURES

Standard Service: VITON O-Rings
All 316 Stainless Steel construction
When the controller is mounted on the panel face, the lockout assembly is located inside the panel

OPTIONS

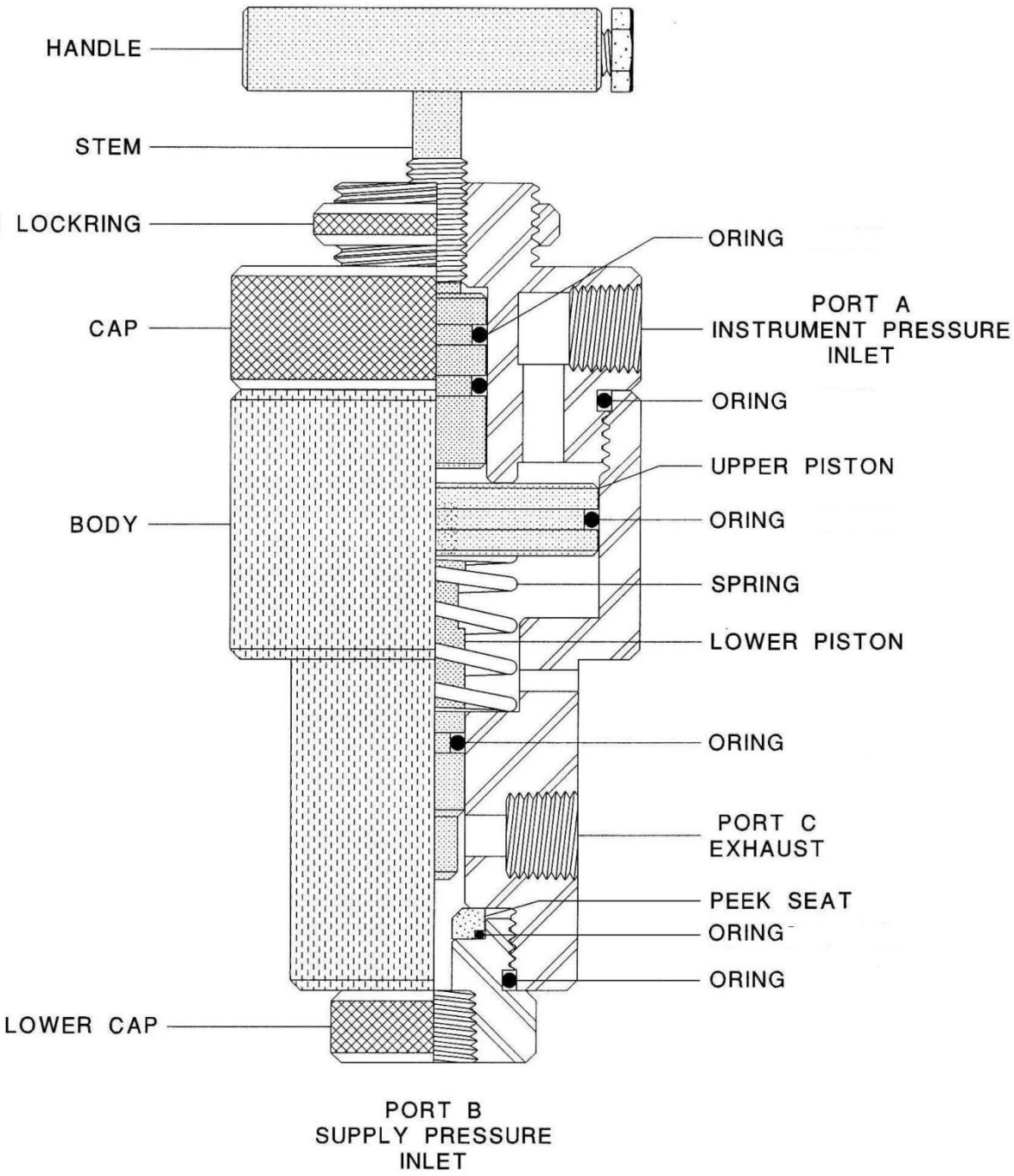
HCT-2 **(10,000 PSI)** **HCT-2J** **(6,000 PSI - High Flow)**

WEIGHT **5.25 Pounds**

BWB CONTROLS, INC.

‘HCT-2C’ HYDRAULIC CONTROLLER

PNEUMATIC / HYDRAULIC OVER HYDRAULIC WITH MANUAL OVERRIDE



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‘HCT-2C’ HYDRAULIC CONTROLLER

PNEUMATIC / HYDRAULIC OVER HYDRAULIC WITH MANUAL OVERRIDE

INSTALLATION

CONNECTION 1/4" FNPT

PANEL MOUNT 1 5/16" (33.3 mm) Diameter Hole

PORT A	**Instrument Pressure Inlet**	**Pneumatic / Hydraulic, 50-150 PSI (3.45 to 10.34 bar)**
PORT B	**Supply Pressure Inlet**	**HCT2C Hydraulic, 30-6000 PSI (2.07 to 413.69 bar)**
		HCT2S Hydraulic, 30-10,000 PSI (2.07 to 689.48 bar)
PORT C	**Exhaust**	

OPERATION

The BWB "HCT-2C" is a 2 way, normally open, pilot operated, automatic hydraulic controller with manual override. It is normally installed in a SCSSV control panel. It receives instrument pressure (Port A) from a safety system component such as a master relay and hydraulic supply pressure (Port B) from a pump.

During normal operation, instrument pressure (Port A) holds the controller in the closed position. The supply pressure (Port B) is blocked and the hydraulic system will maintain its required working pressure.

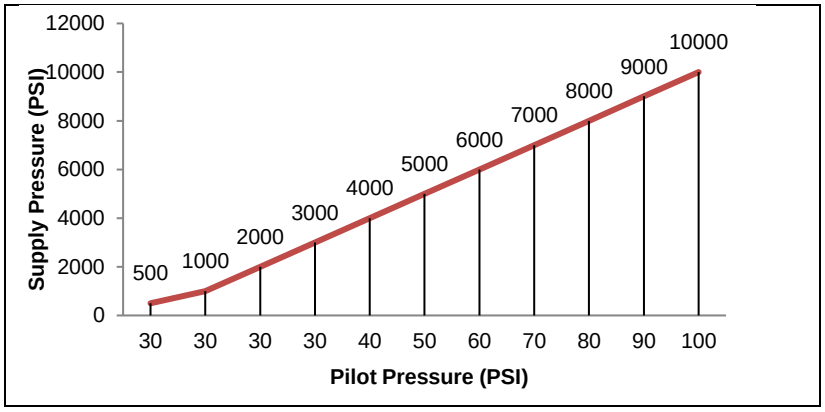
When the master relay is actuated, it will bleed instrument pressure (Port A) from the controller and the spring will push the controller into the open position. The supply pressure (Port B) is exhausted (Port C), and returned to the reservoir; thus closing the SCSSV or system.

Should hydraulic working pressure be required to open the SCSSV or system before instrument pressure (Port A) is returned, the manual override may be used. The override handle is manually screwed in; This allows supply pressure (Port B) to be blocked and the hydraulic system to maintain it's working pressure. When instrument pressure (Port A) is returned, the manual override must be manually released for the controller to resume normal operating conditions.

FEATURES

Standard Service: VITON O-rings

All 316 Stainless Steel construction



OPTIONS

HCT-2C (6,000 PSI - High Flow)

HCT-2S (10,000 PSI)

WEIGHT 5 Pounds

Designed and Manufactured using Safe Engineering Practices

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